ATTACHMENT J11

Great Falls IAP (ANG) Water Distribution System

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J11 Great Falls IAP (ANG) Water Distribution System

J11.1 Great Falls IAP (ANG) Overview

The 120th Fighter Wing (FW) of the Montana Air National Guard occupies 141 acres of leased land on the Great Falls International Airport (IAP), located approximately 3 miles southwest of downtown Great Falls, Montana. The 120th FW flies a general-purpose mission, including air defense, utilizing the F-16 Falcon. The 120th FW occupies three administrative, one services, and 43 industrial buildings totaling approximately 392,372 square feet with 350 full-time personnel. A unit training drill is conducted twice a month and results in a surge of up to a total of 943 personnel.

J11.2 Water Distribution System Description

J11.2.1 Water Distribution System Fixed Equipment Inventory

The Great Falls IAP (ANG) water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, post-indicator valves, and fire hydrants. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the water distribution system privatization are:

?? Lawn sprinkler systems

?? Fire suppression systems

J11.2.1.1 Description

Water is supplied by the City of Great Falls and enters the base at two points. The configuration is a looped system with water delivered at 60 psig. The distribution system consists of approximately 4,400 linear feet of PVC pipe, 2,400 linear feet of ductile iron pipe, 3,700 linear feet of cast iron pipe, 2,000 linear feet of cement asbestos pipe and 2,100 linear feet of copper pipe. Pipe diameter ranges from one to 12 inches. Piping is buried at an average depth of six feet without the use of tracer wire or marking tape. The system also has 35 cast iron-gate valves, two post indicator valves, and 26 fire hydrant assemblies. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J11.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the Great Falls IAP (ANG) water distribution system included in the sale.

TABLE 1
Fixed Inventory
Water Distribution System Great Falls IAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	4	55	LF	1975
	6	120	LF	1996
	6	995	LF	1988
	6	725	LF	1994
	8	2475	LF	1996
Ductile Iron Pipe	(in)			
	4	110	LF	1996
	6	205	LF	1968
	8	2125	LF	1968
Cast Iron Pipe	(in)			
	4	60	LF	1966
	4	95	LF	1978
	6	110	LF	1978
	6	605	LF	1959
	6	275	LF	1964
	8	1170	LF	1963
	8	845	LF	1968
	12	510	LF	1966
Copper Pipe	(in)			
	1	45	LF	1996
	1	115	LF	1955
	2	160	LF	1997
	2	220	LF	1975
	2	145	LF	1996
	2	225	LF	1988
	2	160	LF	1957

Item	Size	Quantity	Unit	Approximate Year of Construction
	2	190	LF	1955
	2	200	LF	1964
	2	45	LF	1987
	2	265	LF	1978
	2	70	LF	1969
	2	155	LF	1977
	2	55	LF	1966
	2	35	LF	1959
Cement Asbestos Pipe	(in)			
	6	2005	LF	1955
Cast Iron Gate Valves	(in)			
	1	1	EA	1996
	1	1	EA	1955
	2	2	EA	1975
	2	3	EA	1988
	2	1	EA	1996
	2	1	EA	1957
	2	3	EA	1955
	2	1	EA	1964
	2	2	EA	1978
	2	1	EA	1987
	2	2	EA	1963
	2	2	EA	1966
	2	1	EA	1997
	2	2	EA	1969
	2	1	EA	1959
	2	1	EA	1977
	4	1	EA	1996
	6	5	EA	1955
	6	2	EA	1959
	6	1	EA	1994
	12	1	EA	1966

Item	Size	Quantity	Unit	Approximate Year of Construction
Post Indicator Valves				
	4	1	EA	1975
	6	1	EA	1978
Fire Hydrant Assemblies				
		2	EA	1996
		1	EA	1988
		4	EA	1968
		1	EA	1998
		1	EA	1991
		1	EA	1999
		3	EA	1990
		3	EA	1955
		2	EA	1959
		2	EA	1987
		2	EA	1978
		1	EA	1963
		1	EA	1994
		2	EA	1968

Notes:
PVC = Polyvinyl Chloride
EA = Each
LF = Linear Feet
IN=Inches

J11.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Water Distribution System Great Falls IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Water Distribution System Great Falls IAP (ANG)

Description	Quantity	Location	Maker
None			

J11.2.3 Water Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Water Distribution System Great Falls IAP (ANG)

Qty	Description	Remarks
1	MANG Base Master Plan: Water Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J11.3 Specific Service Requirements

The service requirements for the Great Falls IAP (ANG) water distribution system are as defined in the Section C, Description/Specifications/Work Statement.

J11.4 Current Service Arrangement

?? **Current Provider:** City of Great Falls

?? **Average Annual Usage (2000):** 6,550 kGal

?? **Minimum Monthly Usage:** 1,830 kGal (August)

?? **Maximum Monthly Usage:** 130 kGal (December)

J11.5 Secondary Metering

J11.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J11.6 below.

TABLE 5
Existing Secondary Meters
Water Distribution System Great Falls IAP (ANG)

Meter Location	Meter Description (Type)
None	

J11.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J11.6 below.

TABLE 6
New Secondary Meters
Water Distribution System Great Falls IAP (ANG)

Meter Location	Meter Description
None	

J11.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW Paragraph G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.

2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.

3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters (if any). The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

J11.7 Water Conservation Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes: None.

J11.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Great Falls IAP (ANG) boundaries.

J11.9 Off-Installation Sites

No off-installation sites are included in the sale of the Great Falls IAP (ANG) water distribution system.

J11.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
Service Connections and Disconnections
Water Distribution System Great Falls IAP (ANG)

Location	Description
None	

J11.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Great Falls IAP (ANG) water distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8
System Deficiencies
Water Distribution System Great Falls IAP (ANG)

Project Location	Project Description
None	